

In the Claims:

1 1. (Previously presented) A diamond blade formed by providing
2 slots on the outer peripheral edge of a circular core and
3 fixing a superabrasive layer to a portion of the outer
4 peripheral surface of said core located between said slots,
5 wherein

6 said superabrasive layer includes a plurality of first
7 superabrasive layers having an extension formed by
8 partially extending said superabrasive layer toward the
9 inner periphery of the core and a second superabrasive
10 layer located between respective ones of said first
11 superabrasive layers, a reinforcing superabrasive layer
12 extending from the outer periphery toward the inner
13 periphery of said core is formed on the inner peripheral
14 side of said second superabrasive layer while said
15 reinforcing superabrasive layer is located closer to the
16 outer periphery than a radial central portion of the core
17 and an outer peripheral end of said reinforcing
18 superabrasive layer is located closer to the outer
19 periphery than an inner peripheral end of the extension of
20 said first superabrasive layer.

1 2. (Previously presented) The diamond blade according to claim
2 1, wherein a stressing layer is circumferentially
3 continuously or intermittently formed on the radial central
4 portion of said core.

1 3. (Previously presented) The diamond blade according to claim
2 1, wherein said second superabrasive layer is provided with
3 an extension having a relatively short radial length with
4 respect to the extension of said first superabrasive layer.

1 4. (Currently amended) The diamond blade according to claim 3,
2 wherein the extension of said second superabrasive layer
3 ~~is formed to a side~~ extends radially closer to the inner
4 periphery than ~~a line connecting~~ do radially innermost
5 portions of adjacent ones of said slots. ~~with each other.~~

1 5. (Previously presented) The diamond blade according to claim
2 1, wherein said first superabrasive layer, said second
3 superabrasive layer and the reinforcing superabrasive layer
4 and said core are bonded to each other by simultaneous
5 sintering.

1 6. (Previously presented) The diamond blade according to claim
2 5, wherein a bond for said reinforcing superabrasive layer
3 consists of a bond reaching the maximum density at a lower
4 temperature than bonds for said first superabrasive layer
5 and the second superabrasive layer.

1 7. (Previously presented) The diamond blade according to claim
2 1, wherein through holes or through grooves are provided on
3 portions of said core provided with said first
4 superabrasive layer, the second superabrasive layer and the
5 reinforcing superabrasive layer.

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1 8. (Previously presented) The diamond blade according to claim
2 1, wherein said second superabrasive layer and said
3 reinforcing superabrasive layer are discontinuously formed
4 in the radial direction.

1 9. (Previously presented) The diamond blade according to claim
2 1, wherein said first superabrasive layer, said second
3 superabrasive layer and the reinforcing superabrasive layer
4 are formed with grooves.

1 10. (Previously presented) A diamond blade formed by providing
2 slots on the outer peripheral edge of a circular core and
3 fixing a superabrasive layer to a portion of the outer
4 peripheral surface of said core located between said slots,
5 wherein

6 a reinforcing superabrasive layer extending in a
7 whirly manner from the outer periphery toward the inner
8 periphery of said core and separated from said
9 superabrasive layer is formed on the inner peripheral side
10 of said superabrasive layer while said reinforcing
11 superabrasive layer is located closer to the outer
12 periphery than a radial central portion of the core.

1 11. (Previously presented) The diamond blade according to claim
2 10, wherein said superabrasive layer has an extension
3 formed by partially extending the superabrasive layer

4 toward the inner periphery of the core, and said extension
5 extends in a whirly manner toward the center.

1 12. (Previously presented) The diamond blade according to claim
2 11, wherein said extension is located on an extension line
3 along said reinforcing superabrasive layer.

[RESPONSE CONTINUES ON NEXT PAGE]

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